

Title (en)

LACTAM COMPOUND AS FXR RECEPTOR AGONIST

Title (de)

LACTAMVERBINDUNG ALS FXR-REZEPTOR-AGONIST

Title (fr)

COMPOSÉ DE LACTAME EN TANT QU'AGONISTE DU RÉCEPTEUR FXR

Publication

**EP 3632910 A4 20210224 (EN)**

Application

**EP 18806569 A 20180525**

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- CN 2018088393 W 20180525

Abstract (en)

[origin: EP3632910A1] Disclosed is a compound as shown in formula (I), an optical isomer thereof or a pharmaceutically acceptable salt thereof, and the present invention relates to the use of same in the preparation of a drug for treating FXR-related diseases.

IPC 8 full level

**C07D 413/02** (2006.01); **C07D 401/02** (2006.01); **C07D 401/14** (2006.01); **C07D 409/02** (2006.01); **C07D 413/14** (2006.01); **C07D 417/02** (2006.01); **C07D 417/14** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

- [I] WO 2009005998 A1 20090108 - SMITHKLINE BEECHAM CORP [US], et al
- [X] JP 2005330266 A 20051202 - OTSUKA PHARMA CO LTD
- [I] CHRISTIAN GEGE ET AL: "Knocking on FXR's Door: The "Hammerhead"-Structure Series of FXR Agonists - Amphiphilic Isoxazoles with Potent In Vitro and In Vivo Activities", CURRENT TOPICS IN MEDICINAL CHEMISTRY, 1 January 2014 (2014-01-01), pages 2143 - 2158, XP055481386, Retrieved from the Internet <URL:10.2174/1568026614666141112094430> [retrieved on 20180605]
- See also references of WO 2018214959A1

Cited by

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